

Modified Form PTO-1449

Atty. Docket No.

Serial No.

A-988A

10/591,214

Applicant

Akerman et al.

Filing Date

August 28, 2006

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## LIST OF REFERENCES CITED BY APPLICANT

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## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
	D1	WO 04/092117 A1	28 Oct 2004	PCT				
	D2	WO 05/051890 A1	9 Jun 2005	PCT				
	D3	WO 05/058848 A1	30 Jun 2005	PCT				
	D4	WO 05/063725 A1	14 Jul 2005	PCT (English Abstract included)				x
	D5	WO 05/063729 A1	14 Jul 2005	PCT				
	D6	WO 05/087710 A1	22 Sep 2005	PCT (English Abstract included)				x
	D7	WO 06/001092 A1	5 Jan 2006	PCT (English Abstract included)				x
	D8	WO 06/011615 A1	2 Feb 2006	PCT (English Abstract included)				x
	D9	WO 06/083612 A1	10 Aug 2006	PCT				
	D10	WO 06/083781 A1	10 Aug 2006	PCT				

## OTHER DOCUMENTS (Including Publisher, Author, Title, Date, Pertinent Pages, Etc.)

C1	Bachmann, et al., "The Synthesis of an Analog of the Sex Hormones", <i>Jnl. Amer. Chem. Soc.</i> , <u>64</u> : 94-97 (1942).
C2	Berthelot, et al., "Synthesis and Pharmacological Evaluation of $\gamma$ -Aminobutyric Acid Analogues. New Ligand for GABA <sub>A</sub> Sites", <i>Jnl. Med. Chem.</i> , <u>30</u> : 743-746 (1987).
C3	Boyle, et al., "Applications of the spiroannulation of tetralins with alkynes; towards new anti-estrogenic compounds", <i>Jnl. Chem. Soc., Perkin Trans. Org. and Bioorg. Chem.</i> , <u>18</u> : 2707-2711 (1997).
C4	Briscoe, et al., "The Orphan G Protein-Coupled Receptor GPR40 Is Activated by Medium and Long Chain Fatty Acids", <i>Jnl. of Biol. Chem.</i> , <u>278</u> : 11303-11311 (2003).
C5	Briscoe, et al., "Pharmacological regulation of insulin secretion in MIN6 cells through the fatty acid receptor GPR40: identification of agonist and antagonist small molecules", <i>Brit. Jnl. of Pharm.</i> , <u>148</u> : 619-628 (2006).
C6	Burnop, et al., "Fused Carbon Rings. Part XIX. Experiments on the Synthesis of Tetracyclic Compounds of the Sexual Hormonal Type", <i>Jnl. Chem. Soc.</i> , 727-735 (1940).
C7	Chatterjee, et al., "Studies on Nucleophilic Ring Opening of Some Epoxides in Polar Protic Solvents", <i>Tetr.</i> , <u>33</u> : 85-94 (1977).
C8	Collins, et al., "The Structure and Function of Oestrogens. IX. Synthesis of the <i>trans</i> Isomer of 5,5,10b-Trimethyl-4b,5,6,10b,11,12-hexahydrochrysene-2,8-diol", <i>Aust. Jnl. Chem.</i> , <u>41</u> : 735-744 (1988).

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/Zinna Davis/ (11/17/2009)

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- |     |  |
|-----|--|
| C9  | Deb, et al., "A Stereocontrolled Synthesis of (1' <i>RS</i> ,2' <i>SR</i> )-3-Oxo-3',4'-dihydrospiro[cyclopentane-1,1'(2' <i>H</i> )-naphthalen]-2-ylacetic Acid and its Methoxy Analogues", <i>Jnl. Chem. Res. S.</i> , <b>12</b> : 406 (1985).   |
| C10 | DeWolf, et al., "Inactivation of Dopamine $\beta$ -Hydroxylase by $\beta$ -Ethynyltyramine: Kinetic Characterization and Covalent Modification of an Active Site Peptide", <i>Biochem.</i> , <b>28</b> : 3833-3842 (1989).   |
| C11 | Egan, et al., "Naphthalenes as inhibitors of myeloperoxidase: Direct and indirect mechanisms of inhibition", <i>Agents and Actions</i> , <b>29</b> $\frac{3}{4}$ , 266-276 (1990).   |
| C12 | Frey, et al., "Total Synthesis of Pentacyclic Diterpenoid Tropone Hainanolidol," <i>Aust. Jnl. Chem.</i> , <b>53</b> : 819-830 (2000).   |
| C13 | Galembo, et al., "The Development of a Novel Series of (Quinolin-2-ylmethoxy) phenyl-Containing Compounds as High-Affinity Leukotriene Receptor Antagonists. 3. Structural Variation of the Acidic Side Chain To Give Antagonists of Enhanced Potency", <i>Jnl. Med. Chem.</i> , <b>33</b> : 2828-2841 (1990). |
| C14 | Garrido, et al., "Synthesis and activity of small molecule GPR40 agonists," <i>Bioorg. and Med. Chem. Lett.</i> , <b>16</b> : 1840-1845 (2006).  |
| C15 | Ghosal, et al., "Stereospecific Synthesis of 9b $\beta$ -Carbomethoxy-7-Methoxy-2,3,3a $\alpha$ ,4,5,9b $\beta$ -Hexahydro-1H-Benz[e]Inden-2-one; An Intermediate Towards Physiologically Active Compounds," <i>Tet. Lett.</i> , <b>17</b> : 1463-1464 (1977).   |
| C16 | Guthrie, et al., "Synthesis in the Series of Diterpene Alkaloids VI. A Simple Synthesis of Atisine," <i>Tet. Lett.</i> , <b>38</b> : 4645-4654 (1966).   |
| C17 | Haigh, et al., "Non-thiazolidinedione Antihyperglycaemic Agents. Part 3: The Effects of Stereochemistry on the Potency of $\alpha$ -Methoxy- $\beta$ -phenylpropanoic Acids," <i>Bioorg. &amp; Med. Chem.</i> , <b>7</b> : 821-830 (1999).   |
| C18 | Hares, et al., "Synthetic Studies of Tricyclospirodienones; Model Chemistry for Novel Mimics of Steroid Substrates", <i>Jnl. Chem. Soc. Perkin Trans. I: Org. and Bioorg. Chem.</i> , <b>13</b> : 1481-1492 (1993).  |
| C19 | Iizuka, et al., " $\beta$ -Substituted Phenethylamines as High Affinity Mechanism-Based Inhibitors of Dopamine $\beta$ -Hydroxylase", <i>Jnl. Med. Chem.</i> , <b>31</b> : 704-706 (1988).   |
| C20 | Ishikawa, et al., "Actions of the novel oral antidiabetic agent HQL-975 in insulin-resistant non-insulin-dependent diabetes mellitus model animals", <i>Diabetes Res. and Clin. Pract.</i> , <b>41</b> : 101-111 (1998).   |
| C21 | Ishikawa, et al., "Effects of the novel oral antidiabetic agent HQL-975 on Glucose and Lipid Metabolism in Diabetic db/db Mice," <i>Arzneim. Forsch. Drug Res.</i> , <b>48</b> (I): 245-250 (1998).  |
| C22 | Itoh, et al., "Free fatty acids regulate insulin secretion from pancreatic $\beta$ cells through GPR40," <i>Nature</i> , <b>422</b> : 173-176 (2003).  |
| C23 | Johns, et al., "Total Synthesis of Estrajervatetraene," <i>Jnl. Org. Chem.</i> , <b>44</b> : 958-961 (1979).   |
| C24 | Kolasa, et al., "Symmetrical Bis(heteroarylmethoxyphenyl)alkylcarboxylic Acids as Inhibitors of Leukotriene Biosynthesis," <i>Jnl. Med. Chem.</i> , <b>43</b> : 3322-3334 (2000).  |
| C25 | Kotarsky, et al., "A human cell surface receptor activated by free fatty acids and thiazolidinedione drugs", <i>Biochem. and Biophys. Res. Comm.</i> , <b>301</b> : 406-410 (2003).  |
| C26 | Kuchar, et al., "Benzyloxyarylaliphatic Acids: Synthesis and Quantitative Relations Between Structure and Antiinflammatory Activity", <i>Collection Czech. Chem., Commun.</i> , <b>47</b> : 2514-2524 (1982).  |

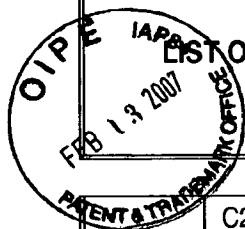
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Unassigned

- |     |  |
|-----|--|
| C27 | Kuchar, et al., "The Effects of Lopophilicity on the Inhibition of Denaturation of Serum Albumin and on the Activation of Fibrinolysis Observed with a Series of Benzyloxyarylaliphatic Acids", <i>Collection Czech. Chem. Commun.</i> , <b>48</b> : 1077-1088 (1983).   |
| C28 | Lin, et al., "The Discovery of Acylated $\beta$ -Amino Acids as Potent and Orally Bioavailable VLA-4 Antagonists," <i>Bioorg. &amp; Med. Chem. Lett.</i> , <b>12</b> : 611-614 (2002).   |
| C29 | Liu, et al., "Synthesis and Biological Activity of L-Tyrosine-based PPAR $\gamma$ Agonists with Reduced Molecular Weight", <i>Bioorg. &amp; Med. Chem. Lett.</i> , <b>11</b> : 3111-3113 (2001).   |
| C30 | Nilsson, et al., "Identification of a free fatty acid receptor, FFA $_2$ R, expressed on leukocytes and activated by short-chain fatty acids," <i>Biochem. and Biophys. Res. Commun.</i> , <b>303</b> 1047-1052 (2003).  |
| C31 | Oliver, et al., "A selective peroxisome proliferator-activated receptor $\delta$ agonist promotes reverse cholesterol transport", <i>PNAS</i> , <b>98</b> : 5306-5311 (2001).  |
| C32 | Poitout, V., "The ins and outs of fatty acids on the pancreatic $\beta$ cell", <i>Trends in Endocrin. and Metab.</i> , <b>14</b> : 201-203 (2003).   |
| C33 | Ray, et al., "Synthesis of Some Angularly Cyclopentanone Fused Hydrophenanthrene and Hydrofluorene Derivatives by Acid-Catalyzed Intramolecular C-Alkylation of $\gamma$ , $\delta$ - Unsaturated $\alpha'$ -Diazomethyl Ketones", <i>Synth. Commun.</i> , <b>21</b> : 1223-1242 (1991).   |
| C34 | Sandberg, et al., "N-Aminoalkylsuccinimides as local anaesthetics", <i>Acta Pharmaceutica Suecica</i> , <b>17</b> : 169-176 (1980).  |
| C35 | Sanyal, et al., "A Novel Synthesis of a Tricyclo (7.5.0 <sup>1,5</sup> .0 <sup>1,9</sup> ) Tetradecane Ring System Related to Gascardic Acid," <i>Tet. Lett.</i> , <b>25</b> : 2187-2190 (1978).   |
| C36 | Sarma, et al., "Synthetic Studies on Terpenoids. Parts XVIII. <sup>1,2</sup> Stereocontrolled Synthesis of ( $\pm$ )-1,2,3,4,4a,9,10,10a $\alpha$ -Octahydro-1 $\alpha$ -methylphenanthrene-1 $\beta$ ,4a $\beta$ -dicarboxylic acid and the 7-Methoxy Analogue: A Potential Intermediate for Diterpenoid Syntheses", <i>Jnl. Chem. Soc. Perkin Trans. I: Organic and Bioorg. Chem.</i> , <b>7</b> : 722-727 (1976). |
| C37 | Sawzdargo, et al., "A Cluster of Four Novel Human G Protein-Coupled Receptor Genes Occurring in Close Proximity to CD22 Gene on Chromosome 19q13.1", <i>Biochem. and Biophys. Res. Commun.</i> , <b>239</b> : 543-547 (1997).  |
| C38 | Shaw, et al., "Enantioselective Synthesis of (+)-(2S,3S)-3-Ethynyltyrosine", <i>Tet. Lett.</i> , <b>31</b> : 5081-5084 (1990).   |
| C39 | Shiotani, et al., "Synthesis of 1,3-Bridged 1,2,3,4,5,6-Hexahydro-2,6-methano-3-benzazocine Derivatives <sup>1</sup> " <i>Chem. Pharm. Bull.</i> , <b>28</b> : 1928-1931 (1980).   |
| C40 | Waid, et al., "Constrained Amino Acids. An Approach to the Synthesis of 3-Substituted Prolines," <i>Tet. Lett.</i> , <b>37</b> : 4091-4094 (1996).   |

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